Contents	Reference to last Measurement
7	8
19266-00	
7962-00	
19266-00	
1927-00	
13820-00	
505-00	
1,31,826-00	

I & R Final Bill

SBR-NO-76/16-17

30-6-16

M. A. R. 57 (Rule 116)
Measurement Book

No. B

BR- 258/30-6-16

265314

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency ..... T.K. Shankarappa .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:	Improvements to Road & drains at Puttanna Reddy layout & Drains S/F of Shiva Temple in ward NO: 9					
	Est. cost	Rs 15. Lakhs					
	Job code:	009-15-000020.					
	Admi. NO:	AS/CE/KNK/81/15-16/ Dt: 14-12-2015					
	Tech. NO:	TS/EE/BTP/238/15-16/ Dt: 14-12-2015					
	Work ord:	BBMP/EE/BTP/WO/261/15-16/ Dt: 26-02-2016					
	Agency:	T.K. Shankarappa					
	Recorded on	29-6-16					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earth work Excavation by manual means in ordinary soil Involving an average Horizontal throw upto 2 mts & an average lift upto 0.5 m Excavated surface levelled & finished neatly dressed. Lead disposed Earth to be levelled neatly after breaking of Lumps Etc complete. Pre-measurement vide PMB, 265374/Pg.No (1).						
						i.e 283.20 m³	
						@ Rs 80.00/m³	Rs 22656=00
	(2) Providing & laying in position Plain Cement Concrete of Mix 1:4:8 using OPC cement @ 180 kg/m³ with 40 mm & down size graded granite metal/Coarse aggregates @ 0.87 cum & fine aggregate @ 0.57 cum						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Excavation in 15 cm Trench work including Cutting Etc com Pre-Measurem
	(3) Providing & Lay masonry in bas & Elyes of (1:6 Cem

K

epth 6	Contents 7	Reference to last Measurement 8
	...masonry in ...ge Horizontal ...ght upto 0 ...y ...ber mortar ...se levelled neatly ...mplete.	
	...74/16.10 (1).	
	...e 283.20 m³	
	m³ Rs 22656=00	
	...s Cement Concrete ...80 & wet 40mm ...tal Concrete ...depth @ 0.57 cm	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265315

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Providing & laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundations & plinth including cost of all materials, labour, hoisting, curing etc complete.						
	Pre-Measurement vide P.No: 265375/16.10: (2).						
	(20.35) i.e. 28.35 m³						
	@ Rs 5000=00/m³ Rs 141750=00						
(3)	Providing & constructing granite/trap/basalt/sandstone masonry in basement wet cement mortar 1:6 & Jolyes & (Tone Chisel dressed in courses not less						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Khan USCMS light board Stones on 2nd offset in each Course including cost of Mortar, Labour, curing Etc. complete.						
	for Culvert	1	2	4.50	0.60	0.90	4.86 4.86 m³
	Damaged SCM Drain	1	1	5.40	0.45	0.45	1.01 m³
							5.87 m³
					Limit		5.40 m³
					@ Rs 4900=00/m³		Rs 26460=00
(4)	Providing & laying in position plain cement Concrete for mix 1:2:4 with cement @ 220 kg/m³ 20mm & down size graded granite stone aggregate @ 0.88 cum fine aggregate @ 0.45 cum reading mixed concrete in layers not Exceeding 15cm thick well Compacted in						

Serial No. .....
Name of Work .....
Name of Contractor of nature
Date of commencement of wo

Date	Full description, etc,
1	2
	boundary
	for Coping
(5)	Providing
	Pointing etc
	of Surfaces
	-ing attached
	Coarses cem

Assistant Engineer
Vidyavardhini's
BBMP, Bl

BOOK

ns		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
		...ar 2nd class in Each ...ell, Labour, curing	
0	0.90	4.86 4.86 m³	
45	0.45	1.01 m³	
		5.87 m³	
		5.40 m³	
		900=00/m³ Rs 26460=00	
		...y Plain cement ...ment @ 220 Kg/m³ ...onite ready ...e ...pregate @ 0.45 ...ding layer ...ot ...ompacted m³	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265316

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	foundation & Plinth & ...ills including cost of materials for ...aping	4	4.5	1.80	0.10	3.24 m³.	
		1	5.10	0.45	0.10	0.23 m³	
						3.47 m³.	
						@ Rs 5400=00/m³ Rs 1871=00	
(5)	providing, placing, ...ring, ...ing, ...ing, ...ing, ...ing etc. & removal of ...ing work for ...ical & ...faces such as ...wall or ...any ...ness, ...ed ...ing attached ...ith ...ber ...ers Plinth & ...ary ...arges cost & ...all ...ent Labour, ...ity complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	B/P	
1	2	3	4	5	6		8
						61.47	
						@ Rs 6198=00/m³	Rs 380991=00
(8)	Scarifying Kankar/gravel/Metal Crust upto 150mm thick wet Rick ashes and disposed & Stack Unit in head, & lead & all labour charges complete. Pre-measurement vide R.No. 265376/II.10: (8)					546.00/m²	
						@ Rs 25=00/m³	Rs 13650=00
(9)	Providing, laying, spreading & compacting graded stone aggregate to wet mix macadam specification including Pre-Wetting of Metal with water						

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	ash OMC in the method of the Power in Sub- & Compaction desired den

Assistant Executive En
Vidyaranyapura Sub D
BBMP, Bangalore

OOK

Depth 6	Contents	Reference to last Measurement 8
	B/F	
	61.47	
98=00/m³	Rs 380991=00	
Total Cruft work and difficulty loose		
rent.		
265376/11.00		
i.e 546.00/m²		
=00/m³	Rs 13650=00	
Comprising graded		
Coolroom Fruit		
Unit wet water		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265319

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	of RMC in Mechanical mix plant conveyor & mixed method of laying to the layer is uniform layer not Paver in Sub-base course on well Prepared Surface. Compacting with vibratory roller to achieve the desired density complete as per specification.						
		1 No	80.00	$\frac{6+5}{2}$	0.20	32.00 m³	
		1 No	21.00	$\frac{5+5.8}{2}$	0.20	22.68 m³	
		1 No	27.80	$\frac{5.8+10.5+15.5}{3}$	×0.20	58.94 m³	
						114.62 m³.	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
						B/F	
						114.62 m³	
						109.20 m³	109.20
			Limit to				
			@ Rs 1700=00/m³			Rs 185640=00	
(10)	Providing & applying Primer coat with bitumen Emulsion. On Prepared surface of granular base such as WBM, WMM including cleaning of road surface & spraying primer at rate of 0.60 kg/m² using mechanical means complete						
	— NOT Executed —						
(11)	Providing & laying semi-dense bituminous concrete using crushed aggregate of specified grading. Premixed with bitumen binder						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	& filler, transpo... hydrocarbon pave... required grade... road Wherever... is desired Cont... No: 500.8 Complet... Senior Power Gr-...
(12)	Lead for disposa... Lead upto... by Loading & u...

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	B/F	8
		114.62 m³	
		109.20 m³ 109.20	
		Rs 185640=00	
with to			
700=00/m³			
ver coat wet BS bitumen			
ave f granular base			
uding cleaning f road			
ir or wt sore f 0.60 kg/m²			
complete			
ected —			
dense bituminous			
regate f specified			
itumen binder			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265320

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	& filler, transporting hot mix to work site by dumpy with hydraulic paver finisher wet fender control to the required grade. Levelled & alignment rolling wet smooth wheeled vibratory tandem roller to attain the desired compaction. as per MORTH Specification clause No: 500.8 complete. wet 100-120 TPH capacity HMP wet fender Paver Gr-II (25 mm to 30 mm) wet 5%. VG-30 Bitumen						
	— NOT Executed —						
(12)	Lead for disposal of debris shall be payable on carriage rate by mechanical means including loading & unloading.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vide Dly IT No: (1)				Le	283.20 m³	1432.40
	@ Rs 49.90/m³					Rs 14157=00	
(3)	Providing Pre-cast flat 100mm thick including cost of all materials labour lifting, transportation loading & unloading complete.						
	5th main Road L/S	1 x 1	30.00	0.90	–	27.00	
	Checked.	1 x 1	30.00	0.90	–	27.00	
	Cross	1 x 1	30.00	0.90	–	27.00	27.90
	Cross Road	1 x 1	31.00	0.90	–	28.44	
		1 x 1	30.50	0.90	–	27.00	
		1 x 1	19.50	0.90	–	17.55	153.45
						153.99 m²	
				Less		149.40 m²	2351760
	@ Rs 1574.15/m²					Rs 235179=00	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

KEY PLAN.

Serial No. .....
Name of Work .....
Name of Contractor of nature o
Date of commencement of wor

Date	Full description, etc,
1	2
	CERTIF
	Lift Lockbay
	→ 5th Main

K

Depth 6	Contents 7	Reference to last Measurement 8
Le	283.20 m³	1432.20
0/m³	Rs 14157=00	
Work Including transportation		
	27.00	
–	27.40	
–	27.00	27.90
–	28.44	
–	27.00	
–	17.55	153.85
	153.99 m²	2351.76
	149.40 m²	
/m²	Rs 23517=00	

KEY PLAN.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

265321

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	CERTIFICATE					Total Rs 14,40,556=00	1436357-00
	This work done satisfactorily.						
	L=49.50					RCC drain	
	C D → L=4.50					L = 121.60 mt	
	Retain Form.						
	→ 5th Main Dollybandhu Layout.						

Jayadhar
29/6/16

Assistant Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

B-2-258
30/6/16

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						ET - 14364-00	
						VAT - 57454-00	
						CAF - 14364-00	
						CSF - 1437-00	
						LC - 1300-00	
						Fine - 505-00	
						Total - 101124-00	

Audited & Admitted for Rs
1436350-00
1335226-00
and Rs 101124-00

Accts. Supdt
Byatarayanapura Dn Byate
BBMP

4/8/16

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2